

FIG. 1

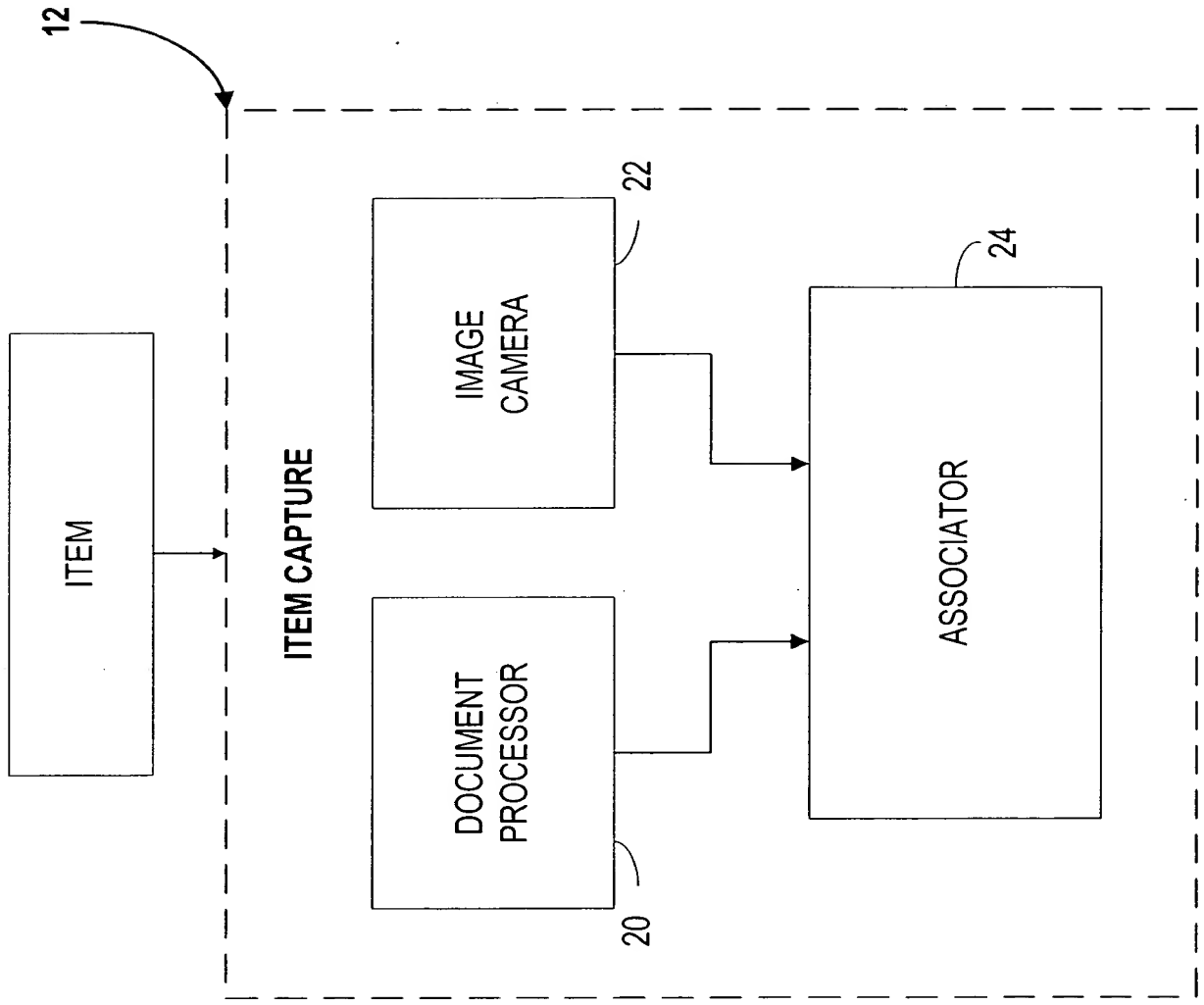


FIG. 2

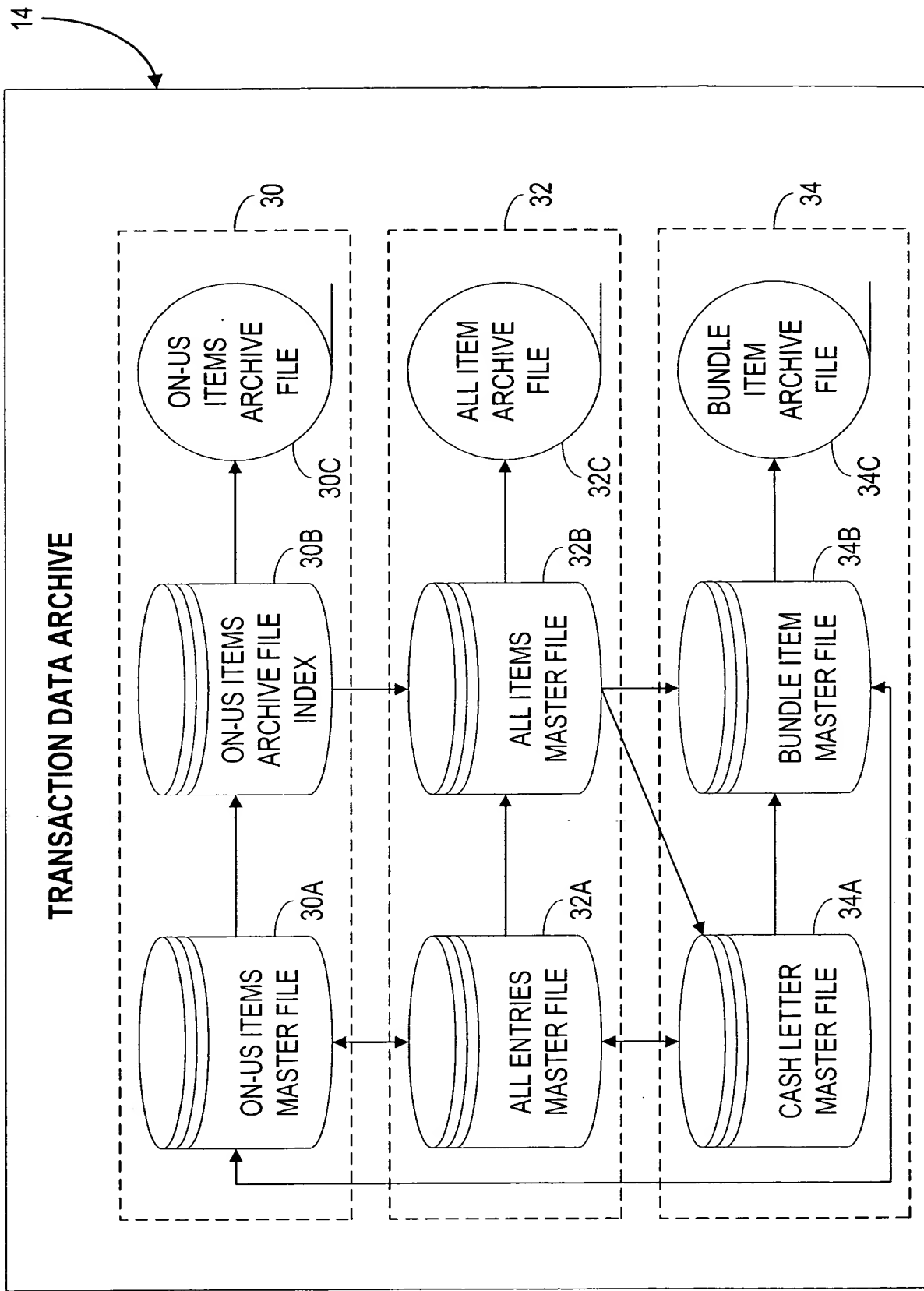


FIG. 4

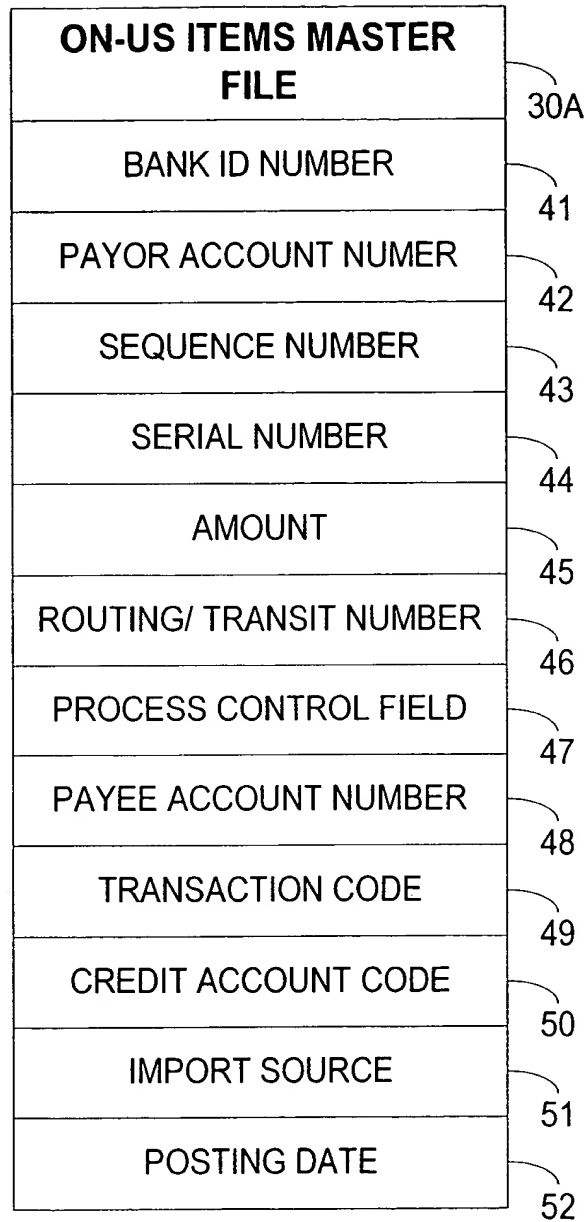


FIG. 4

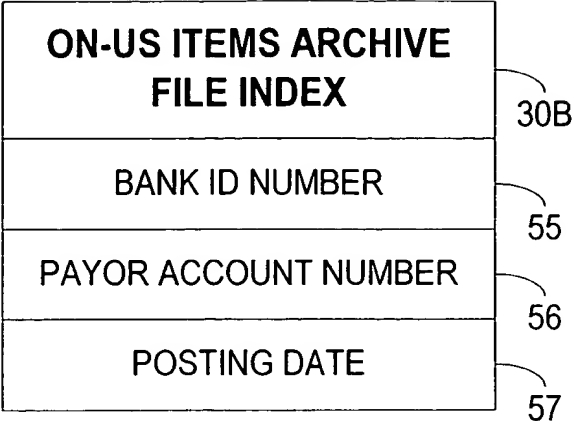


FIG. 5

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01 AEMF-RECORD.
05 AEMF-KEY.
    10 AEMF-KEY-APPL-SITE PIC X(03).
        88 AEMF-KEY-APPL-SITE-CHR VALUE 'CHR'.
        88 AEMF-KEY-APPL-SITE-CVL VALUE 'CVL'.
        88 AEMF-KEY-APPL-SITE-RAL VALUE 'RAL'.
        88 AEMF-KEY-APPL-SITE-COL VALUE 'COL'.
        88 AEMF-KEY-APPL-SITE-ATL VALUE 'ATL'.
    10 AEMF-KEY-APPL-DATE.
        20 AEMF-KEY-APPL-DATE-YYYY PIC X(02).
        20 AEMF-KEY-APPL-DATE-MM PIC X(01).
        20 AEMF-KEY-APPL-DATE-DD PIC X(01).
    10 AEMF-KEY-CAPT-SORT PIC X(01).
    10 AEMF-KEY-CAPT-ENTRY-NUMB PIC X(02).
    10 AEMF-KET-RECD-NUMB PIC X(03) COMP-3.
05 AEMF-ENTRY-DATA.
    10 AEMF-ENTRY-CAPT-DATE.
        20 AEMF-ENTRY-CAPT-DATE-YYYY PIC X(02).
        20 AEMF-ENTRY-CAPT-DATE-MM PIC X(01).
        20 AEMF-ENTRY-CAPT-DATE-DD PIC X(01).
    10 AEMF-ENTRY-CAPT-CYCLE PIC X(01).
    10 AEMF-ENTRY-LOW-SEQU PIC X(06).
    10 AEMF-ENTRY-HGH-SEQU PIC X(06).
    10 AEMF-ENTRY-PASS-NUMB PIC X(01).
    10 AEMF-ENTRY-STR-TYPE PIC X(01).
    10 AEMF-ENTRY-SUBSET-ID PIC X(03).
    10 AEMF-ENTRY-NUMB-BLOCKS PIC 9(07) COMP-3.
    10 AEMF-ENTRY-NUMB-BATCHS PIC 9(07) COMP-3.
    10 AEMF-ENTRY-NUMB-ITEMS PIC 9(07) COMP-3.
    10 FILLER PIC X(10).
05 AEMF-BLOCK-DATA OCCURS 0 TO 20 TIMES DEPENDING ON
    AEMF-ENTRY-NUMB-BLOCKS.
    10 AEMF-BLOCK-SEQU-NUMB PIC X(06).
    10 AEMF-BLOCK-AMOUNT PIC X(05).
    10 AEMF-BLOCK-CAS-TYPE PIC X(02).
    10 AEMF-BLOCK-TRACER-RT PIC X(04).
    10 AEMF-BLOCK-TRACER-ACCT PIC X(07).
    10 AEMF-BLOCK-NUMB-ITEMS PIC 9(06) COMP-3.
    10 AEMF-BLOCK-AMOUNT-STATUS PIC X(01).
        88 AEMF-BLOCK-AMOUNT-RECD-INBAL VALUE 'I'.
        88 AEMF-BLOCK-AMOUNT-RECD-OUTBAL VALUE 'O'.
    10 FILLER PIC X(09).
05 AEMF-BATCH-DATA OCCURS 0 TO 1000 TIMES DEPENDING ON
    AEMF-ENTRY-NUMB-BATCHS.
    10 AEMF-BATCH-BLOCK-SEQU-NUMB PIC X(06).
    10 AEMF-BATCH-SEQU-NUMB PIC X(06).
    10 AEMF-BATCH-AMOUNT PIC X(05).
    10 AEMF-BATCH-NUMB-ITEMS PIC 9(06) COMP-3.
    10 AEMF-BATCH-AMOUNT-STATUS PIC X(01).
        88 AEMF-BATCH-AMOUNT-RECD-INBAL VALUE 'I'.
        88 AEMF-BATCH-AMOUNT-RECD-OUTBAL VALUE 'O'.
    10 FILLER PIC X(09).

```

FIG. 6

AEMF - All Entries Master File

AEMF Key

ATL 19980102 76 9998 001 String Header

Sequ Number Range

76000008 76000219

Data Records

76000008 Block Ticket

76000011 Batch Ticket

ATL 19980102 77 9999 001 String Header 77000220 77000330

77000220 Block Ticket

77000223 Batch Ticket

19980102 76 9998 001 String Header

FIG. 7

05	AIMF-KEY.			
10	AIMF-KEY-APPL-SITE	PIC	X(03).	
88	AIMF-KEY-APPL-SITE-CHR	VALUE	'CHR'.	
88	AIMF-KEY-APPL-SITE-CVL	VALUE	'CVL'.	
88	AIMF-KEY-APPL-SITE-RAL	VALUE	'RAL'.	
88	AIMF-KEY-APPL-SITE-COL	VALUE	'COL'.	
88	AIMF-KEY-APPL-SITE-ATL	VALUE	'ATL'.	
10	AIMF-KEY-APPL-DATE.			
20	AIMF-KEY-APPL-DATE-YYYY	PIC	X(02).	
20	AIMF-KEY-APPL-DATE-MM	PIC	X(01).	
20	AIMF-KEY-APPL-DATE-DD	PIC	X(01).	
10	AIMF-KEY-ENTRY	PIC	X(02).	
10	AIMF-KEY-LAST-SEQU.			
20	AIMF-KEY-LAST-SEQU-PREFX	PIC	X(01).	
20	AIMF-KEY-LAST-SEQU-SORT	PIC	X(01).	
20	AIMF-KEY-LAST-SEQU-NUMB	PIC	X(04).	
10	AIMF-KEY-RECD-NUMB	PIC	9(05)	COMP-3.
10	AIMF-KEY-RECD-TYPE	PIC	X(01).	
88	AIMF-KEY-RECD-CONT	VALUE	'C'.	
88	AIMF-KEY-RECD-END	VALUE	' '.	
05	AIMF-BATCH-DATA.			
10	AIMF-BATCH-CAPT-DATE-YYYYMMDD.			
20	AIMF-BATCH-CAPT-DATE-YYYY	PIC	X(02).	
20	AIMF-BATCH-CAPT-DATE-MM	PIC	X(01).	
20	AIMF-BATCH-CAPT-DATE-DD	PIC	X(01).	
10	AIMF-BATCH-CAPT-CYCLE	PIC	X(01).	
10	AIMF-BATCH-NUMB-ITEMS	PIC	9(07)	COMP-3.
05	AIMF-ITEM-DATA.			
10	AIMF-ITEM			
	OCCURS 0 to 350			
	DEPENDENT ON AIMF-BATCH-NUMB-ITEMS.			
15	AIMF-ITEM-REC-SEQUENCE	PIC	X(06).	
15	AIMF-ITEM-REC-SERIAL	PIC	X(05).	
15	AIMF-ITEM-REC-TRAN-TYPE	PIC	X(02).	
88	AIMF-ITEM-TRAN-ONUS-BLOCK	VALUE	X' 80F5'	
			X' 82F5'	
			X' C0F5'	
88	AIMF-ITEM-TRAN-ONUS-BATCH	VALUE	X' 80F4'	
			X' 82F4'	
			X' 88F4'	
			X' C0F4'	
88	AIMF-ITEM-TRAN-ONUS-CR	VALUE	X' 1400'	
			X' 1C00'	
88	AIMF-ITEM-TRAN-ONUS-BTEC-CR	VALUE	X' 1600'	
			X' 1E00'	
88	AIMF-ITEM-TRAN-ONUS-DB	VALUE	X' 1000'	
			X' 1800'	
			X' 5000'	
88	AIMF-ITEM-TRAN-ONUS-BTEC-DB	VALUE	X' 1200'	
			X' 1A00'	
88	AIMF-ITEM-TRAN-TRAN-DB	VALUE	X' 0000'	
			X' 0800'	
			X' 2000'	
			X' 4000'	
88	AIMF-ITEM-TRAN-TRAN-BTEC-DB	VALUE	X' 0200'	
			X' 0A00'	
			X' 2200'	
			X' 2A00'	
15	AIMF-ITEM-RT	PIC	X(04).	
15	AIMF-ITEM-ACCT	PIC	X(07).	
15	AIMF-ITEM-PC	PIC	X(03).	
15	AIMF-ITEM-AMT	PIC	X(05).	
15	AIMF-ITEM-CPUID	PIC	X(02).	
15	AIMF-ITEM-CPCS-TYPE	PIC	X(01).	
15	AIMF-ITEM-USER	PIC	X(01).	
15	AIMF-ITEM-POCKET	PIC	X(01).	
15	AIMF-ITEM-CR-RT	PIC	X(04).	
15	AIMF-ITEM-CR-ACCT	PIC	X(07).	
15	AIMF-ITEM-CR-SEQU	PIC	X(06).	
15	AIMF-ITEM-AMT-STATUS	PIC	X(01).	
88	AIMF-ITEM-AMT-OK	VALUE	' '.	
15	FILLER	PIC	X(05).	
15	AIMF-ITEM-DATA-TYPE	PIC	X(01).	
88	AIMF-ITEM-NUMB-NONE	VALUE	' '.	
88	AIMF-ITEM-NUMB-ONUS	VALUE	'O'.	
88	AIMF-ITEM-NUMB-TRANSIT	VALUE	'T'.	
15	AIMF-ITEM-NUMB-DATA	PIC	X(23).	
15	AIMF-ITEM-ONUS-DATA REDEFINES			
	AIMF-ITEM-NUMB-DATA.			
20	AIMF-ONUS-POST-ACCT	PIC	9(15)	COMP-3.
20	AIMF-ONUS-EXTR-ACCT	PIC	9(15)	COMP-3.
20	FILLER	PIC	X(07).	
15	AIMF-ITEM-TRANSIT-DATA REDEFINES			
	AIMF-ITEM-NUMB-DATA.			
20	AIMF-TRANS-BUNDLE-DATE	PIC	X(04).	
20	AIMF-TRANS-BUNDLE-TIME	PIC	X(08).	
20	AIMF-TRANS-BUNDLE-AMT	PIC	9(09)V99	COMP-3.
20	AIMF-TRANS-BUNDLE-ENDPT	PIC	9(09)	COMP-3.

FIG. 8

AIMF - All Items Master File

AIMF Object Records

ATL	19980102	9998	19980102	0076000011	01		
	76000008	Block Ticket	76000008	Batch Ticket	76000013	On-Us Credit	76000014 On-Us Debit
	...		76000214	On-Us Debit	76000215	Transit Debit	
	76000216	On-Us Credit	76000217	Transit Debit	76000218	On-Us Debit	
ATL	19980102	9999	19980102	0076000223	01		
	77000220	Block Ticket	77000223	Batch Ticket	77000225	On-Us Credit	77000226 On-Us Debit
	77000227	Transit Debit	...		77000327	Transit Debit	
	77000328	On-Us Credit	77000329	Transit Debit	77000330	On-Us Debit	

109740" 16252260

FIG. 9

FORM 10-62-0000

01	CLMF-RECORD.			
05	CLMF-KEY.			
10	CLMF-KEY-CL-PROC-SITE	PIC	X(03).	
10	CLMF-KEY-CL-PROC-DATE	PIC	9(09)	COMP-3.
10	CLMF-KEY-CL-END-POINT	PIC	9(09)	COMP-3.
10	CLMF-KEY-CL-AMNT	PIC	9(13)V99	COMP-3.
10	CLMF-KEY-CL-TIME	PIC	9(07)	COMP-3.
05	CLMF-DATA.			
10	CLMF-KEY-SYST-DATE	PIC	9(09)	COMP-3.
10	CLMF-KEY-ACLS-NUMB	PIC	9(03)	COMP-3.
10	CLMF-CL-ABA-NUMBER	PIC	9(09)	COMP-3.
10	CLMF-CL-DUE-FROM-ACCT	PIC	9(15)	COMP-3.
10	CLMF-CL-NUMBER-BUNDLES	PIC	9(05)	COMP-3.
10	CLMF-CL-NUMBER-ITEMS	PIC	9(09)	COMP-3.
10	CLMF-CL-AVAIL-CODE	PIC	X(01).	
10	CLMF-CL-AVAIL-DATE	PIC	9(09)	COMP-3.
10	FILLER	PIC	X(14).	
05	CLMF-CL-BUNDLE-DATA OCCURS 0 TO 400 TIMES DEPENDING ON CLMF-CL-NUMBER-BUNDLES.			
10	CLMF-BUNDLE-AMNT	PIC	9(13)V99	COMP-3.
10	CLMF-BUNDLE-CPCS-NUMB	PIC	9(03)	COMP-3.
10	CLMF-BUNDLE-ACLS-NUMB	PIC	9(03)	COMP-3.
10	CLMF-BUNDLE-NUMB-ITEM	PIC	9(07)	COMP-3.
10	CLMF-BUNDLE-HOLD-OVER	PIC	X(01).	

FIG. 10

CLMF Key

Data Records

99,999,999,999.99

99,999,999,999.99

99,999,999,999.99

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FIG. 11

```

01 BIME-RECORD.
05 BIME-KEY.
10 BIME-VSM-KEY-APPL-SITE PIC X(03).
88 BIME-VSM-KEY-APPL-SITE-CHR VALUE 'CHR'.
88 BIME-VSM-KEY-APPL-SITE-CVL VALUE 'CVL'.
88 BIME-VSM-KEY-APPL-SITE-RAL VALUE 'RAL'.
88 BIME-VSM-KEY-APPL-SITE-COL VALUE 'COL'.
88 BIME-VSM-KEY-APPL-SITE-ATL VALUE 'ATL'.
10 BIME-VSM-KEY-APPL-DATE.
20 BIME-VSM-KEY-APPL-DATE-YYYY PIC X(02).
20 BIME-VSM-KEY-APPL-DATE-MM PIC X(01).
20 BIME-VSM-KEY-APPL-DATE-DD PIC X(01).
10 BIME-VSM-KEY-END-POINT PIC 9(08).
10 BIME-VSM-KEY-BUNDLE-AMNT PIC 9(13)V9.
10 BIME-VSM-KEY-BUNDLE-TIME PIC 9(07).
10 BIME-VSM-KEY-INT-SEQ-NUMB PIC 9(05).
10 BIME-VSM-KEY-RECD-NUMB PIC 9(05).
10 BIME-VSM-KEY-RECD-TYPE PIC X(01).
88 BIME-VSM-KEY-RECD-CONT VALUE 'C'.
88 BIME-VSM-KEY-RECD-END VALUE '. '.
05 BIME-RECORD-DATA.
10 BIME-VSM-BUNDLE-MCRE-SEQ PIC X(02).
10 BIME-VSM-BUNDLE-NUMB-ITEMS PIC 9(07).
10 BIME-VSM-RECORD-ITEMS PIC 9(07).
10 BIME-VSM-ENTRY PIC X(02).
10 BIME-VSM-ITEM-CYCLE PIC X(01).
10 BIME-VSM-PASS PIC X(01).
10 BIME-VSM-PASS-POCKET PIC X(04).
10 BIME-VSM-STRING-TYPE PIC X(01).
10 BIME-VSM-SUBSET-ID PIC X(03).
10 FILLER PIC X(10).
05 BIME-VSM-ITEM-DATA.
10 BIME-VSM-ITEM-DATA OCCURS 0 TO 550 TIMES
DEPENDENT ON BIME-VSM-RECORD-ITEMS.
15 BIME-VSM-REC-ITEM-TRAN-TYPE PIC X(02).
15 BIME-VSM-REC-ITEM-SEQUENCE PIC X(06).
15 BIME-VSM-REC-ITEM-SERIAL PIC X(05).
15 BIME-VSM-REC-ITEM-RETURN PIC X(01).
15 BIME-VSM-REC-ITEM-RT PIC X(04).
15 BIME-VSM-REC-ITEM-ACCT PIC X(07).
15 BIME-VSM-REC-ITEM-PC PIC X(03).
15 BIME-VSM-REC-ITEM-AMT PIC X(05).
15 BIME-VSM-REC-ITEM-BUNDLE-SEQU PIC X(02).
15 BIME-VSM-REC-ITEM-AMT-STATUS PIC X(01).
88 BIME-VSM-REC-ITEM-ITEM-AMT-OK VALUE '. '.
15 FILLER PIC X(14).

```

FIG. 12

BIMF Key

Data Records

76000217 Transit Debit

77000227 Transit Item

77000329 Transit Item

FIG. 13

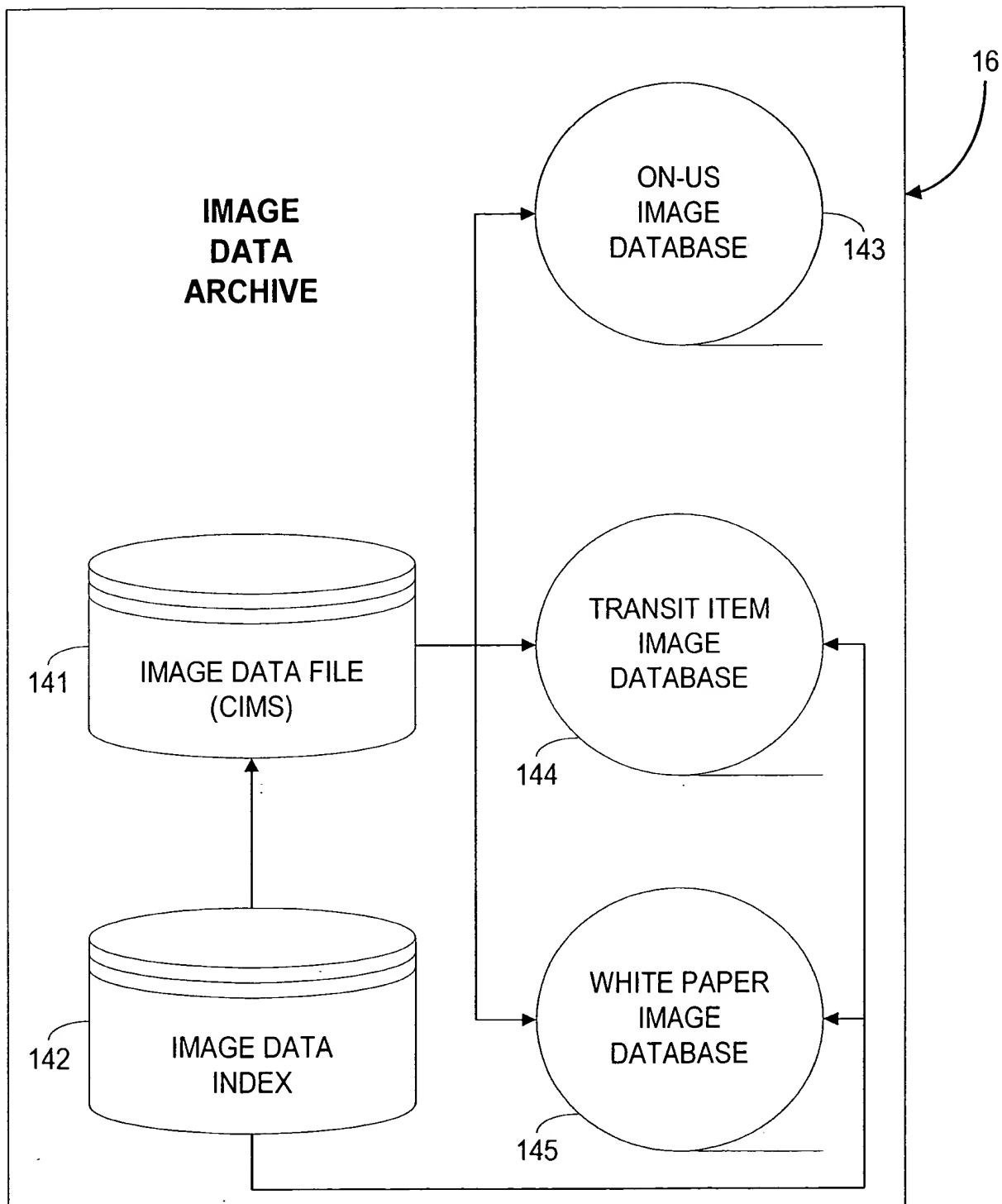


FIG.14

FIG. 15

ON-US ITEM IMAGE DATABASE	143
IMAGE DATE	151
BANK ID NUMBER	152
ACCOUNT NUMBER	153
SEQUENCE NUMBER	154
SORTER ID NUMBER	155
SORTER CYCLE	156
IMAGE DATA	157

FIG. 16

TRANSMIT ITEM IMAGE DATABASE	144
IMAGE DATE	161
SEQUENCE NUMBER	162
SORTER ID NUMBER	163
SORTER CYCLE	164
IMAGE DATA	165

FIG. 17

WHITE PAPER IMAGE DATABASE	145
IMAGE DATE	171
BANK ID NUMBER	172
ACCOUNT NUMBER	173
SEQUENCE NUMBER	174
SORTER ID NUMBER	175
SORTER CYCLE	176
IMAGE DATA	177

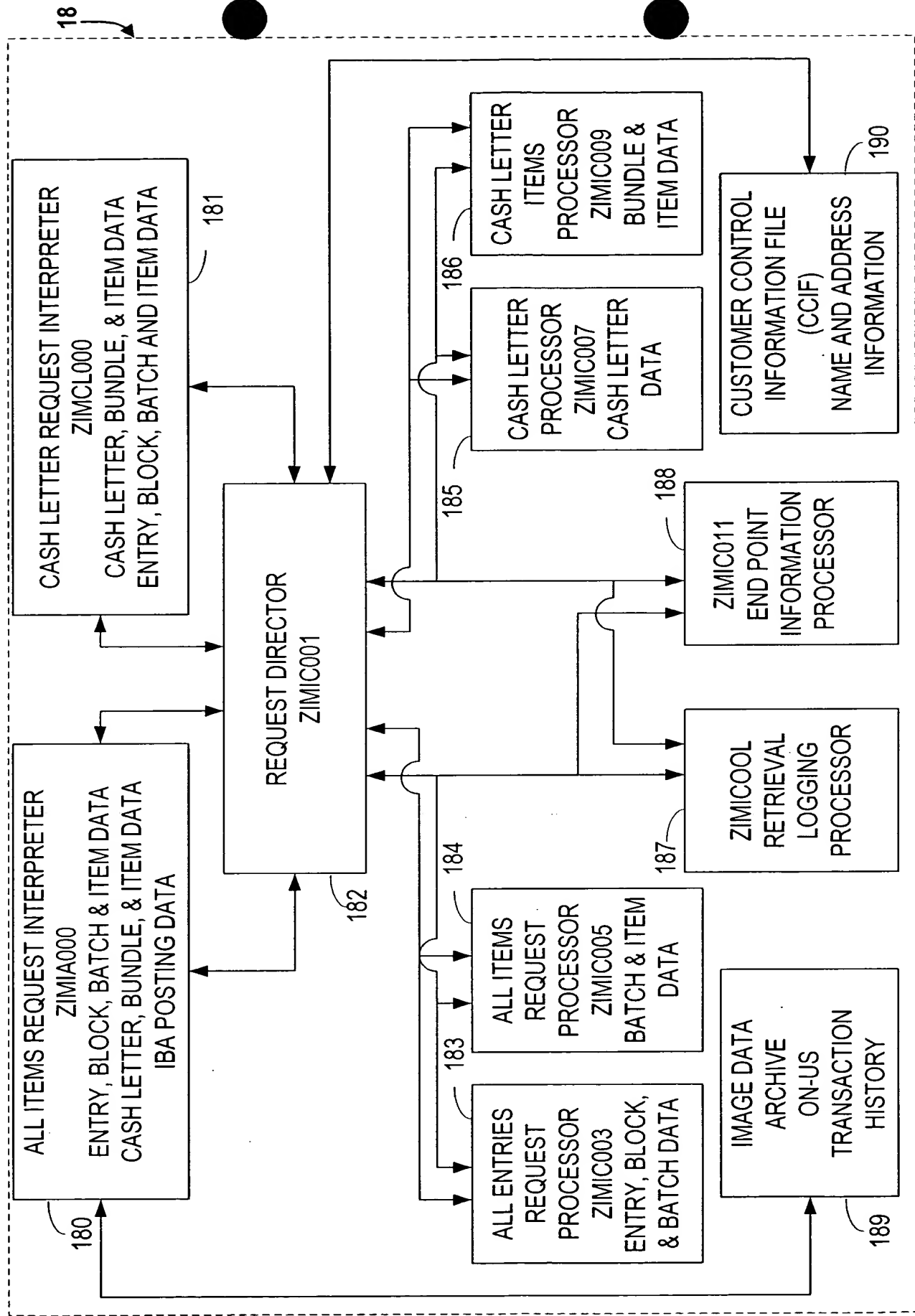


FIG. 18

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IMAI	Item Capture Research System			
	Entry and Item Retrieval			
MESSAGE	ENTER SEARCH CRITERIA			
Capture Site	ATL			
Capture Date	19980102	To	19980102	
Post Date	19980102	To	19980102	
Entry	000001	To	999999	
Sequence Number	00SS00000000			
	-----Or-----			
Debit/Credit/All	X			
Item Amount	99,999,999.99			
RT	9999999999			
Account	99999999999999			
Obtain CCIF	X			
CLEAR-END PF12-HELP				

191A
191B
191C
191D
191E
191F

FIG. 19

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IMAI		Item Capture Research System					
Capture Site		ENTRY LISTING					
MESSAGE		SELECT ENTRY					
S	Capture Date	ATL Entry Number	Low Sequence Number	High Sequence Number	Blocks In Entry	Batches In Entry	Items In Entry
-	19980102	000001	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000002	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000003	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000004	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000005	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000006	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000007	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000008	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000009	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000001	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000002	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000003	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000004	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000005	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000006	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000007	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000008	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000009	00SS12345678	00SS12345678	999999	999999	999999
CLEAR-END PF03-RETURN PF07-BACKWARD PF08-FORWARD							

Photo 165660

FIG. 20

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IMAI Item Capture Research System
 Capture Site ATL Block/Batch Listing
 MESSAGE SELECT BLOCK
 Entry Number 9999 String Type 99 Pass 99 Blocks In Entry 999999
 Capture Date 19980102 Post Date 19980102 Batches In Entry 999999
 Capture Cycle 99 Subset 999999 Items In Entry 999999
 Tracer RT 99999999 Tracer Acct 99999999999999

S	Block Sequence Number	Block Amount	Batch Sequence Number	Batch Amount	CAS Type	Items In Batch
-	007600000000	99,999,999.99	00SS12345678	99,999,999.99	9999	999999
-			00SS99999999	99,999,999.99		999999
-	007600010000	99,999,999.99	00SS12345678	99,999,999.99	9999	999999
-			00SS99999999	99,999,999.99		999999
-	007600020000	99,999,999.99	00SS12345678	99,999,999.99	9999	999999
-			00SS99999999	99,999,999.99		999999
-	007600030000	99,999,999.99	00SS12345678	99,999,999.99	9999	999999
-			00SS99999999	99,999,999.99		999999
-	007600040000	99,999,999.99	00SS12345678	99,999,999.99	9999	999999
-			00SS99999999	99,999,999.99		999999
-	007600050000	99,999,999.99	00SS12345678	99,999,999.99	9999	999999
-			00SS99999999	99,999,999.99		999999
-			00SS99999999	99,999,999.99		999999
-			00SS99999999	99,999,999.99		999999

CLEAR-END PF03-RETURN PF07-BACKWARD PF08-FORWARD

Block and batch amounts will be highlighted if they are not in balance with all of the respective items.

FIG. 21

220

IMAI		Item Capture Research System					
Capture Site		Block/Batch Detail					
MESSAGE	ATL	SELECT ITEM					
Entry Number	9999	String Type	99	Pass	99	Blocks In Entry	999999
Capture Date	19980102	Post Date	19980102			Batches In Entry	999999
Capture Cycle	99	Subset	999999			Items In Entry	999999
Tracer RT	99999999	Tracer Acct	99999999999999			CAS Type	9999
Block Number	007600000008	Block Amt	99,999,999.99			Num Items	999999
Batch Number	007600000011	Batch Amt	99,999,999.99			Num Items	999999

S	Sequ Number	DB/ CR	Trn Typ	RT	Account	Amount	Serial Number
-	007600000008	BK	BK	12345678	12345678901234	99,999,999.99	1234567890
-	007600000011	BH	BH	12345678	12345678901234	99,999,999.99	1234567890
-	007600000013	CR	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000014	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000015	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000016	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000017	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000018	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000019	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000099	DB	TR	12345678	12345678901234	99,999,999.99	1234567890
-	007600000019	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000019	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000099	DB	TR	12345678	12345678901234	99,999,999.99	1234567890

CLEAR-END PF03-RETURN PF07-BACKWARD PF08-FORWARD

Block and batch amounts will be highlighted if they are not in balance with all of the respective items.

FIG. 22

The first of these is the fact that the
 C_{60} molecule is a truncated icosahedron,
 which is a polyhedron with 32 faces,
 12 of which are pentagons and 20 are hexagons.
 This structure is highly symmetric,
 and it is this symmetry that
 allows the molecule to be
 described by a single point in
 the Brillouin zone.

FIG. 24

1. The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) as $\epsilon \rightarrow 0$.

Sequence Number	DB/ Trn CR Typ	RT	Account	Amount	Serial Number
007600000019	DB TRN	12345678	12345678901234	99,999,999.99	1234567890
Image Key		yyyymmddrrsssssssscc			
PC		123456			
CPU ID	9999	CPCS Type	99	User Byte	99 Pocket 99
End Point	123456789	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Bundle Date	yyyymmdd	Bundle Time	hhmmss	Bundle Amt	999,999,999.99
Credit RT	999999999				
Credit Account	999999999999999				
Credit Sequence	00SS12345678				
Credit Account Name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				

Fig. 25

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IMAI		Item Capture Research System			
Capture Site	ATL	Transit Item Cash Letter Detail			
MESSAGE					
End Point	999999999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
C.L. Date	19980102	C.L. Time	HHMMSS	C.L. Amt	9,999,999,999.99
C.L. Bundles	999999	C.L. ABA	999999999	Due From	9999999999999
C.L. Items	999999	Avail Code	9	Avail Date	19980102
Schedule	999	System Date	19980102	Entry	9999
Bundle Date	19980102	Bundle Time	HHMMSS	Bundle Amt	999,999,999.99
Pass Pocket	99-99-99-99	Pass	99	String	9
				Subset	999999
Item Data		Before Item	Item	After Item	
Sequence Number		007600000019	007600000019	007600000019	
RT		123456789	123456789	123456789	
Account		999999999999999	999999999999999	999999999999999	
Amount		999,999,999.99	999,999,999.99	999,999,999.99	
Serial		999999999	999999999	999999999	
PC		99	99	99	
Sequence In Bundle		9999999999999	9999999999999	9999999999999	
Return		99	99	99	
CLEAR-END PF03-RETURN					

FIG. 26

FIG. 26

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IMAI		Item Capture Research System					
Capture Site		Specific Item Search Listing					
MESSAGE		SELECT ITEM					
S	Sequence Number	DB/ CR	Trn Typ	RT	Account	Amount	Serial Number
-	007600000008	CR	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000011	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000013	CR	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000014	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	108600000015	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000016	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000017	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000018	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000019	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000021	DB	TR	12345678	12345678901234	99,999,999.99	1234567890
-	007600000022	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000023	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000024	DB	TR	12345678	12345678901234	99,999,999.99	1234567890
-	007600000025	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000026	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000027	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000028	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000029	DB	TR	12345678	12345678901234	99,999,999.99	1234567890
CLEAR-END PF03-RETURN		PF07-BACKWARD PF08-FORWARD					

FIG. 27

280

IMAI		Item Capture Research System			
Capture Site		Specific Item Search Listing			
MESSAGE		SELECT ITEM			
Sequence					
S	Number	Item RT	Item Account	Dep Account	Dep Account Name
-	007600000008	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000011	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000013	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000014	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	108600000015	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000016	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000017	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000018	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000021	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000022	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000023	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000024	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000025	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000026	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000027	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000028	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
-	007600000029	12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX
CLEAR-END PF03-RETURN PF07-BACKWARD PF08-FORWARD					

FIG. 28

FIG. 28

Item Capture Research System						
IMCL Capture Site MESSAGE		ATL Cash Letter Listing				
	Cash Letter	Cash Letter	Cash Letter	End Point	Cash Letter Bundles	Cash Letter Items
S	<u>Date</u>	<u>Time</u>	<u>Amount</u>	<u>Point</u>	<u>Bundles</u>	<u>Items</u>
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999

CLEAR-END PF03-RETURN PF07-BACKWARD PF08-FORWARD

FIG. 30

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IMCL	Item Capture Research System			
Capture Site	ATL	Cash Letter Retrieval		
MESSAGE				
Date	19980102	To	19980102	
End Point	000000000			
C.L./Bundle Flag	X			
C.L./BundleAmt	0,000,000,000,000.00	To	9,999,999,999,999.99	
Item Amt	00000000.00	Before Amt	00000000.00	After Amt 00000000.00

Clear-End

290A

290B

290D

290C

290E

290A 290B 290C 290D 290E

310

IMCL		Item Capture Research System			
Capture Site	ATL	Cash Letter Bundle Listing			
MESSAGE	Select Cash Letter				
End Point	99999999	XX			
		XX			
C.L. Date	19980102	C.L. Time	HHMMSS	C.L. Amt	9,999,999,999.99
C.L. Bundles	999999	C.L. ABA	99999999	Due From	99999999999999
CCIF Name	XX				
C.L. Items	999999	Avail Code	9	Avail Date	19980102
Schedule	999	System Date 19980102			
Item Amt	9999999.99	Before Amt	99999999.99	After Amt	9999999.99
S	<u>Bundle Date</u>	<u>Bundle Time</u>	<u>Bundle Amount</u>	<u>Number Of Items In Bundle</u>	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
-	19980102	HHMMSS	999,999,999.99	999,999,999	
CLEAR-END PF03 RETURN PF07-BACKWARD PF08-FORWARD					

19980102 14:56:50

FIG. 31

320

IMCL		Item Capture Research System		
Capture Site	ATL	Bundle Listing		
MESSAGE	Select Bundle			
S	Bundle	Bundle	Bundle	Number Of
	Date	Time	Amount	Items In Bundle
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
CLEAR-END PF03 RETURN PF07-BACKWARD PF08-FORWARD				

FIG. 32

330

IMCL
Capture Site ATL
MESSAGE Select Item
End Point 999999999 XX
XX

C.L. Date 19980102 C.L. Time HHMMSS C.L. Amt 9,999,999,999.99
C.L. Bundles 999999 C.L. ABA 999999999 Due From 99999999999999
CCIF Name XX
C.L. Items 999999 Avail Code 9 Avail Date 19980102
Schedule 999 System Date 19980102 Entry 9999
Bundle Date 19980102 Bundle Time HHMMSS Bundle Amt 999,999,999.99
Pass Pocket 99-99-99-99 Pass 99 String 9 Subset 999999
Item Amt 9999999.99 Before Amt 99999999.99 After Amt 99999999.99

330A

Sequence		RT	Account	Amount	Serial	Sequ In
S	Number				Number	Bundle
-	007700000227	12345678	12345678901234	999,999,999.99	1234567890	123456
-	007700000228	12345678	12345678901234	999,999,999.99	1234567890	123456
-	007700000229	12345678	12345678901234	999,999,999.99	1234567890	123456
-	007700000230	12345678	12345678901234	999,999,999.99	1234567890	123456
-	007700000231	12345678	12345678901234	999,999,999.99	1234567890	123456
-	007700000232	12345678	12345678901234	999,999,999.99	1234567890	123456
-	007700000233	12345678	12345678901234	999,999,999.99	1234567890	123456
CLEAR-END PF03-RETURN PF07-BACKWARD PF08-FORWARD PF09-AMT SEARCH						

FIG. 33

IMCL		Item Capture Research System			
Capture Site ATL		Cash Letter All Item Detail			
MESSAGE	Select Item				
End Point	999999999	XX XX			
C.L. Date	19980102	C.L. Time	HHMMSS	C.L. Amt	9,999,999,999,999.99
C.L. Bundles	999999	C.L. ABA	999999999	Due From	99999999999999
CCIF Name	XX				
C.L. Items	999999	Avail Code	9	Avail Date	19980102
Schedule	999	System Date	19980102	Entry	9999
Bundle Date	19980102	Bundle Time	HHMMSS	Bundle Amt	999,999,999.99
Pass Pocket	99-99-99-99	Pass	99	String	9
Item Amt	9999999.99	Before Amt	99999999.99	After Amt	99999999.99
Entry Number	9999	String Type	99	Pass	99
Capture Date	19980102	Post Date	19980102	Blocks In Entry	999999
Capture Cycle	99	Subset	999999	Batches In Entry	999999
Tracer RT	999999999	Tracer Acct	999999999999999	Items In Entry	999999
Block Number	0076000000008	CAS Type	9999	Block Amt	99,999,999.99
Batch Number	0076000000011	Block Items	999999	Batch Amt	99,999,999.99
PC	123456	Batch Items	999999	CPU ID	9999
User Byte	99	CPCS Type	99	Pocket	99
Credit RT	999999999	Credit Acct	999999999999999	Credit Sequ	99SS12345678
Credit Sequ	99SS12345678	Acct Name	XX		
CLEAR-END PF03-RETURN					

FIG. 35